

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025737.D
 Acq On : 31 Jul 2018 14:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:40:42 AM

Quant Time: Jul 31 17:11:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	187950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	278346	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172589	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	135895	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	4.88	113	112879	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	7.57	98	410147	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	10.31	95	159630	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	147441	51.903	ug/l	99
3) Chloromethane	1.33	50	119031	43.840	ug/l	98
4) Vinyl Chloride	1.40	62	119700	46.846	ug/l	98
5) Bromomethane	1.62	94	62642	50.195	ug/l	98
6) Chloroethane	1.69	64	69616	46.595	ug/l	99
7) Trichlorofluoromethane	1.89	101	178994	48.451	ug/l	99
8) Diethyl Ether	2.10	74	63014	47.142	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101975	47.698	ug/l	100
10) Methyl Iodide	2.41	142	81794	42.562	ug/l	99
11) Tert butyl alcohol	2.82	59	127820	199.360	ug/l	99
12) 1,1-Dichloroethene	2.28	96	93909	46.535	ug/l	94
13) Acrolein	2.19	56	68496	295.361	ug/l	99
14) Allyl chloride	2.59	41	165064	45.515	ug/l	98
15) Acrylonitrile	2.93	53	289945	226.499	ug/l	99
16) Acetone	2.32	43	317907	222.663	ug/l	97
17) Carbon Disulfide	2.48	76	302718	46.350	ug/l	100
18) Methyl Acetate	2.62	43	172771	50.277	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	351426	48.055	ug/l	100
20) Methylene Chloride	2.70	84	115676	45.716	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	108941	46.699	ug/l	100
22) Diisopropyl ether	3.57	45	343696	48.093	ug/l	95
23) Vinyl Acetate	3.53	43	1456984	233.940	ug/l	99
24) 1,1-Dichloroethane	3.45	63	204860	47.754	ug/l	99
25) 2-Butanone	4.26	43	430527	221.515	ug/l	100
26) 2,2-Dichloropropane	4.23	77	193111	49.525	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	124808	47.453	ug/l	99
28) Bromochloromethane	4.55	49	95256	49.662	ug/l	97
29) Tetrahydrofuran	4.63	42	251703	216.164	ug/l	99
30) Chloroform	4.68	83	209605	46.289	ug/l	99
31) Cyclohexane	5.00	56	179510	48.052	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	194551	47.721	ug/l	98
36) 1,1-Dichloropropene	5.14	75	159621	49.070	ug/l	97
37) Ethyl Acetate	4.38	43	153075	45.383	ug/l	98
38) Carbon Tetrachloride	5.14	117	181704	49.317	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182809	49.048	ug/l	98
40) Benzene	5.39	78	453303	47.674	ug/l	96
41) Methacrylonitrile	4.54	41	86190	46.007	ug/l	98
42) 1,2-Dichloroethane	5.41	62	172571	47.134	ug/l	99
43) Isopropyl Acetate	5.55	43	255117	45.771	ug/l	99
44) Trichloroethene	6.19	130	128605	48.567	ug/l	99
45) 1,2-Dichloropropane	6.44	63	118000	47.584	ug/l	99
46) Dibromomethane	6.56	93	83186	46.295	ug/l	98
47) Bromodichloromethane	6.76	83	165791	48.371	ug/l	97
48) Methyl methacrylate	6.62	41	132537	48.517	ug/l	97
49) 1,4-Dioxane	6.61	88	59666	897.546	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	794937	227.807	ug/l	99
52) Toluene	7.64	92	291442	49.337	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	194352	50.501	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	200290	50.665	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	117152	47.722	ug/l	99
56) Ethyl methacrylate	8.02	69	172947	49.307	ug/l	97
57) 1,3-Dichloropropane	8.24	76	197769	47.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	358224	226.227	ug/l	100
59) 2-Hexanone	8.36	43	635922	232.482	ug/l	97
60) Dibromochloromethane	8.48	129	140947	48.687	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132058	48.370	ug/l	98
64) Tetrachloroethene	8.23	164	113968	48.675	ug/l	97
65) Chlorobenzene	9.12	112	335518	48.921	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	124877	50.333	ug/l	98
67) Ethyl Benzene	9.25	91	573582	50.490	ug/l	100
68) m/p-Xylenes	9.38	106	451643	103.553	ug/l	100
69) o-Xylene	9.78	106	217674	51.066	ug/l	99
70) Styrene	9.80	104	354587	51.500	ug/l	99
71) Bromoform	9.96	173	109851	51.063	ug/l #	99
73) Isopropylbenzene	10.17	105	587502	49.875	ug/l	100
74) N-amyl acetate	10.01	43	235250	48.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	190255	46.705	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	159789m	42.020	ug/l	
77) Bromobenzene	10.45	156	160276	49.329	ug/l	97
78) n-propylbenzene	10.59	91	699507	50.878	ug/l	100
79) 2-Chlorotoluene	10.66	91	402395	49.969	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	509796	50.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	74917m	49.400	ug/l	
82) 4-Chlorotoluene	10.77	91	488432	51.454	ug/l	99
83) tert-Butylbenzene	11.10	119	492046	49.503	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	521672	51.459	ug/l	98
85) sec-Butylbenzene	11.33	105	604775	49.835	ug/l	100
86) p-Isopropyltoluene	11.48	119	553072	50.897	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	300770	49.871	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	305899	48.659	ug/l	99
89) n-Butylbenzene	11.89	91	504293	50.290	ug/l	99
90) Hexachloroethane	12.15	117	93180	48.229	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	296602	50.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45742	47.365	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	212665	53.302	ug/l	99
94) Hexachlorobutadiene	13.70	225	94035	44.712	ug/l	99
95) Naphthalene	13.74	128	607729	47.486	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	209198	52.562	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

